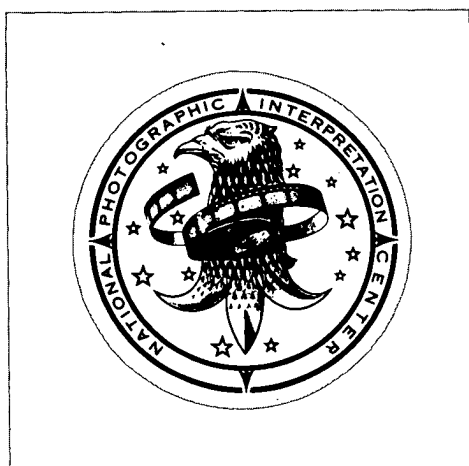


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**NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER**

Summary Report

NEW TYPE OF ANTENNA IDENTIFIED ON SS-16/-20-ASSOCIATED LATTICE TOWERS IN THE USSR (TSR)

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APRIL 1979

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NEW TYPE OF ANTENNA IDENTIFIED ON SS-16/-20-ASSOCIATED LATTICE TOWERS IN THE USSR (TSR)

(TSR) An antenna has been identified on top of 30-meter-high lattice towers that are associated with the SS-16/-20 mobile missile systems in the USSR (Figure 1). The antenna is of a new type and has been designated the KY-EL-06 by NPIC. Five of these tower-mounted antennas have been identified at the Plesetsk SRF Army Missile/Space Test Complex Communications Center [] two have been identified adjacent to the Yoshkar-Ola ICBM Complex Command Post/Bunker/Hard [] Figures 2 and 3), and two have been identified adjacent to the probable command and control building for the Kapustin Yar MR/IRBM Bivouac/Troop Training Area [] Figure 4).

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(TSR) The KY-EL-06 antenna consists of a [] vertical spar which passes through the center of a [] horizontal ring (inset, Figure 3). The horizontal ring is approximately [] below the top of the vertical spar and has three radial spokes that are attached to the spar for support. Possible antenna elements are strung between the rim of the horizontal ring and a point near the base of the vertical spar. In addition, possibly two or more small circular objects are on the vertical spar. The frequency and directivity of the antenna could not be determined.

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(TSR) The KY-EL-06 antenna may be present, although not detected, on other 30-meter-high lattice towers that are associated with the SS-16/-20 mobile missile systems. However, in at least one case—at Drovyanaya Mobile IRBM Base 1 []—recent imagery of good interpretability confirmed that no KY-EL-06 antennas were on the two SS-16/-20-associated towers.

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(S) Comments and queries regarding this report are welcome. They may be directed to [] or [] Soviet Strategic Forces Division, Imagery Exploitation Group, NPIC [] or green exten-

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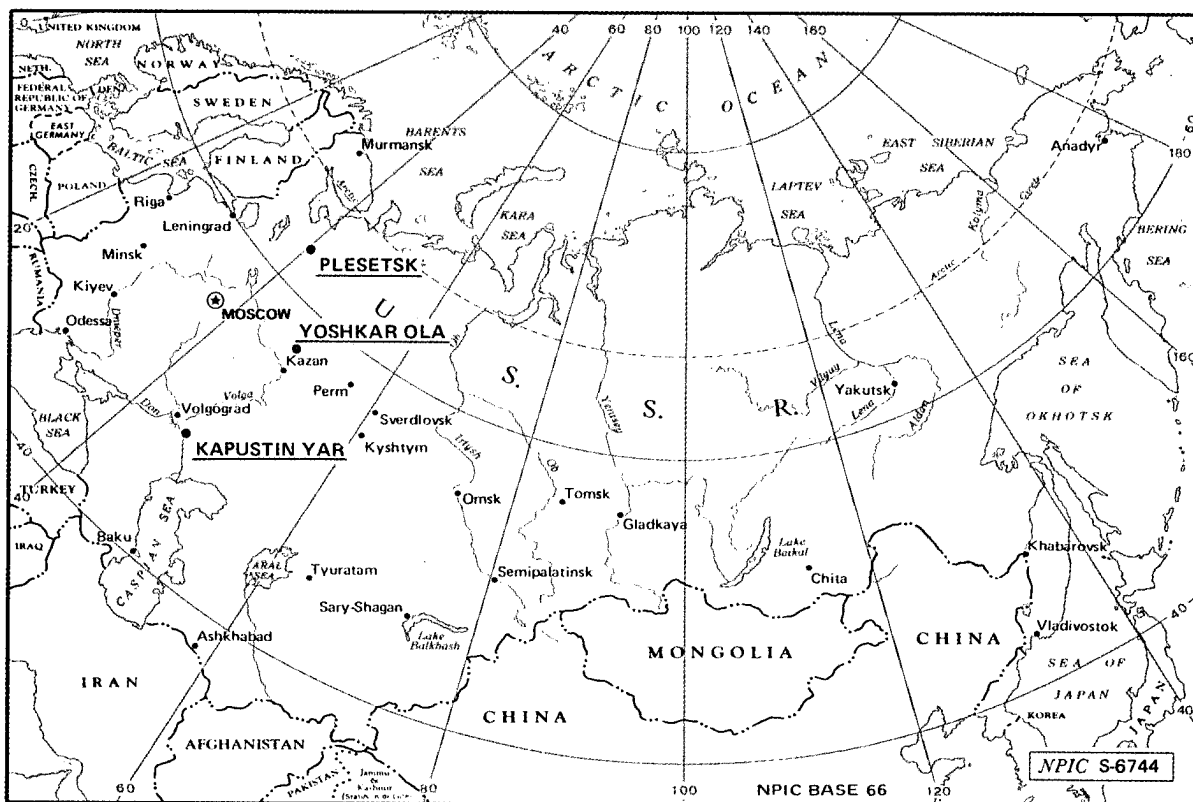


FIGURE 1. LOCATIONS OF NEW TYPE OF ANTENNA IDENTIFIED AT SS-16/-20-ASSOCIATED FACILITIES IN THE USSR. This antenna has been designated the KY-EL-06.

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